

ATTACHMENT FOR CLAIM AMENDMENTS

The following is a marked up version of each amended claim in which underlines indicates insertions and brackets indicate deletions.

1. A switched reluctance machine comprising:

a stator including a plurality of circumferentially-spaced stator segment assemblies with a stator segment core and winding wire wound around said stator segment core;

a rotor defining a plurality of rotor poles, wherein said rotor tends to rotate relative to said stator to maximize the inductance of an energized winding; and

a drive circuit that energizes said winding wire around said stator segment assemblies to control operation of said switched reluctance machine based on a rotational position of said rotor.

9. In a switched reluctance machine that includes a stator, a rotor and a machine housing, an improved stator comprising:

a plurality of circumferentially-spaced stator segment assemblies that are arranged around an inner surface of said machine housing of said switched reluctance machine.

each of said stator segment assemblies defining a salient stator pole that extends in a radially inward direction, wherein inter-polar stator slots are defined between adjacent stator segment assemblies, and

said stator segment assemblies including a stator segment core and winding wire that is wound around said stator segment core.

16. A switched reluctance machine comprising:

a machine housing;

a rotor that rotates relative to said machine housing of said switched reluctance machine; and

a stator that is mounted on an inner surface of said machine housing, said stator including a plurality of circumferentially-spaced stator segment assemblies, wherein said stator segment assemblies include a stack of stator plates forming a stator segment core and winding wire that is wound around said stator segment core,

wherein each of said stator plates has a generally "T"-shaped cross-section, a radially outer rim section, and a tooth section that extends radially inwardly from a center portion of said radially outer rim section.